

Patent Claims

1. Sensor plug head (17; 24; 27) for connection to a sensor (1),
5 wherein the sensor has at least one output (14, 15; 114, 115; 28, 29, 30) for issuing a measurement signal, and a liquid container, which is fillable with a reference or calibration liquid (12), and

10 wherein the sensor plug head (17; 24; 27) includes at least one input (18, 19; 118, 119; 31, 32, 33) for receiving the potential-dependent signal and additionally a supply connection (20; 25; 36) for connecting to the liquid container.

15 2. Sensor plug head as claimed in claim 1, wherein the sensor is a potentiometric sensor with an output for issuing a potential-dependent signal and the liquid container is a reference container.

20 3. Sensor plug head as claimed in claim 1 or 2, wherein the supply connection (20; 25; 36) includes a first connection element, and the sensor includes a second connection element (10; 16), and wherein the first connection element is complementary to the second connection element.

25 4. Sensor plug head as claimed in claim 3, wherein the first connection element (20; 25; 36) includes an electrolyte line and the second connection element includes an opening (16; 10), wherein, further, the electrolyte line is connectable to the opening, for supplying the reference container with electrolyte.

5. Sensor plug head as claimed in one of the preceding claims, wherein the at least one output (14, 15; 114, 115) and the at least one input (18, 19; 118, 119) include galvanic contacts.
- 5 6. Sensor plug head as claimed in one of the claims 1 to 4, wherein the at least one output (28, 29, 30) and the at least one input (31, 32, 33) each include an inductive interface.
- 10 7. Sensor plug head as claimed in one of the preceding claims, wherein the potentiometric sensor is a pH-sensor or a redox sensor.
8. Sensor plug head as claimed in one of the preceding claims, wherein the potentiometric sensor includes an ion-sensitive field-effect transistor.
- 15 9. Sensor arrangement, comprising: a sensor having at least one output for issuing at least one signal, wherein the sensor has a liquid container, which is fillable with a reference or calibration liquid; and a sensor plug head as claimed in one of the preceding claims.